

A) Amendments to the claims:

Claims 1 - 3 (canceled).

Claims 4 and 5 (canceled).

Claims 6 - 8 (canceled).

Claim 9 (new): In a plasma film-forming apparatus which includes a film-forming chamber in which a substrate is arranged, a film-forming gas introducing pipe connected to a supply source of a film-forming gas, plural cleaning-gas introducing pipes communicating with said film-forming chamber without passing through a shower plate, and plural radicals producing sources respectively connected to said cleaning-gas introducing pipes.

Claim 10 (new): A plasma film-forming apparatus according to claim 9, in which said cleaning-gas introducing pipes are connected to opposite walls of said film-forming chamber, and said cleaning-gas introducing pipes respectively connected to said opposite walls are offset from the centers of said opposite walls in opposite directions without facing to each other.

Claim 11 (new): In a plasma film-forming apparatus which includes a film-forming chamber in which a substrate is arranged, a film-forming gas introducing pipe connected to a supply source of a film-forming gas at a first end thereof, a shower plate having numerous holes and interposed between a second end of said film-forming gas introducing pipe and said film-forming chamber, film-gas exciting means for exciting film-forming gas introduced through said numerous holes of said shower plate into said film-forming chamber to form a film on the surface of said substrate with a chemical reaction, plural cleaning-gas introducing pipes communicating with said film-forming chamber without passing through said shower plate, and plural radicals producing sources respectively connected to said cleaning-gas introducing pipes.

Claim 12 (new): A plasma film-forming apparatus according to claim 11, in which said cleaning-gas introducing pipes are connected to opposite walls of said film-forming chamber, and said cleaning-gas introducing pipes respectively connected to said opposite walls are offset from the centers of said opposite walls in opposite directions without facing to each other.